

QUALIFIED PRODUCTS LIST
OF
PRODUCTS QUALIFIED UNDER PERFORMANCE SPECIFICATION
MIL-PRF-55110
PRINTED WIRING BOARD, RIGID
GENERAL SPECIFICATION FOR

Inactive for new design after 31 December 1998.
For new design use MIL-PRF-31032.

This list has been prepared for use by or for the Government in the acquisition of Printed Wiring Boards to the performance requirements of Specification MIL-PRF-55110. This listing is not intended to and does not connote indorsement by the Department of Defense. All manufacturers listed herein have been qualified under the requirements as specified in the latest effective issue of the applicable specification. This list is subject to change without notice; revision or amendment of this list will be issued as necessary. The listing does not release the manufacturer from compliance with the specification requirements.

THE ACTIVITY RESPONSIBLE FOR THIS QPL IS THE DEFENSE SUPPLY CENTER COLUMBUS (DSCC-VQE), COLUMBUS, OH 43216-5000, telephone (614) 692-0624.

Extent of qualification. Qualification of a particular board type shall be extended to cover all conductor patterns of that same board type produced. Qualification of type 3 boards shall be extended to cover type 1 and type 2 boards. Qualification of type 2 boards shall be extended to cover type 1 boards. Qualification with type GF base material shall be extended to cover types GB and GH base materials. Qualification with type GR base material shall be extended to cover type GP base material. Qualification with type GY base material shall be extended to cover types GT and GX base materials. Qualification with type SC base material shall be extended to cover type GC base material. Qualification with type GX base material shall be extended to cover type GT base material. Qualification with types AF, BF, GB, GC, GH, GI, GM, GP, GT, or QI base material shall cover that material only.

NOTES:

- a. The QPL format includes the qualification expiration date as the last six digits of the test reference number (e.g. mm/dd/yy).
- b. An asterisk (*) adjacent to the qualification reference number denotes that the product was tested for and meets the etchback requirements.
- c. Test references beginning with "31032" indicate that qualification has been extended from a QML-31032 listing. Manufacturers with QML-31032 listings may use their QML certified, TRB approved flow to meet the requirements of MIL-PRF-55110F through appendix B.

BASE MATERIAL

AF - Aramid Fabric, Woven, Majority Polyfunctional Epoxy Resin
BF - Aramid Fabric, Nonwoven, Epoxy Resin
BI - Aramid Fabric, Nonwoven, Polyimide Resin
GB - Glass Base, Woven, Majority Polyfunctional Epoxy Resin, Hot Strength Retention
GC - Glass Base, Woven E, Reinforcement, Majority Cyanate Ester, Flame Resistant
GF - Glass Base, Woven, Majority Difunctional Epoxy Resin, Flame Resistant
GH - Glass Base, Woven, Majority Polyfunctional Epoxy Resin, Hot Strength Retention, Flame Resistant
GI - Glass Base, Woven, Polyimide Resin, Heat Resistant
GM - Glass Base, Woven, Triazine and/or Bismaleimide Modified Epoxy Resin, Flame Resistant
GP - Glass Base, Nonwoven, Polytetrafluoroethylene Resin, Flame Resistant
GR - Glass Base, Nonwoven, Polytetrafluoroethylene Resin, Flame Resistant
GT - Glass Base, Woven, Polytetrafluoroethylene Resin, Flame Resistant
GX - Glass Base, Woven, Polytetrafluoroethylene Resin, Flame Resistant
GY - Glass Base, Woven, Polytetrafluoroethylene Resin, Flame Resistant, for Microwave Application
QI - Quartz Base, Woven, Polyimide Resin, Heat Resistant
SC - Glass Base, Woven S-2, Fiber, Majority Cyanate Ester, Flame Resistant

SUPPLIER'S NAME (ADDRESS ON LAST PAGE)	TEST REFERENCE- EXPIRATION DATE (MM/DD/YY)	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)	TEST REFERENCE- EXPIRATION DATE (MM/DD/YY)
AF (Type 3)		Advanced Flex, Inc.	55110-154-011004*
Lockheed Martin Federal Systems	31032-159-00	Ambitech, Inc	55110-241-111301*
Tyco Printed Circuit Group (Manchester)	55110-154-101501*	Aselsan Military Electronics Industries, Inc.	55110-025-040404
Tyco Printed Circuit Group (Melbourne)	55110-085-090201*	Carlo Gavazzi, Inc.	55110-186-090902
Tyco Printed Circuit Group (Stafford)	55110-067-021002*	Cidav Printed Circuits, Ltd.	55110-IL004-113001
BF (Type 3)		Circast Electronics, Ltd.	55110-U078-010103
Cosmotronic Corp.	55110-008-033103*	Circuit Center, Inc.	55110-101-120901*
Graphic Reasearch, LLC.	55110-277-120401*	Circuit Concepts, Inc.	55110-023-032902*
Sovereign Circuits, Inc.	55110-141-092401*	Circuit Express, Inc.	55110-109-080103
Tyco Printed Circuit Group (Manchester)	55110-067-052103*	Circuits CMR Ltee	55110-99139-072902*
Tyco Printed Circuit Group (Melbourne)	55110-203-102701*	Cirtech, Inc.	55110-003-072702*
Tyco Printed Circuit Group (Stafford)	55110-104-050601*	Collins Printed Circuits	55110-005-111502*
BI (Type 3)		Colonial Circuits, Inc.	55110-095-062301*
Cosmotronic Corp.	55110-086-010204*	Comelin Circuits, Ltd.	55110-U080-062803
Electro Plate Circuitry, Inc.	55110-265-010703*	Compunetics, Inc.	55110-212-100802
Graphic Reasearch, LCC.	55110-278-120401*	Coretec, Inc.	55110-00061-050803*
Graphico Electronics Group	55110-01012-010404*	Cosmotronic Corp.	55110-120-091501*
Hunter Technology	55110-262-020203*	Delru/Rigid Flex, Inc.	55110-208-010402*
PCB, Ltd.	55110-1L001-012503*	Delta Circuit Technology, Inc.	55110-117-121203*
SAS Circuits, Inc.	55110-125-052101*	Diversified Systems, Inc.	55110-051-041103
Sovereign Circuits, Inc.	55110-111-081301*	Dyanamic Details, Inc. (Milpitas)	55110-245-110201*
Tyco Printed Circuit Group (Austin)	31032-137-97	Dyanamic Details, Inc. (Sterling)	55110-241-112202*
Tyco Printed Circuit Group (Manchester)	55110-066-061503*	Dyconex AG	55110-082-013104
Tyco Printed Circuit Group (Melbourne)	55110-218-121401*	Dynaco Acquisition Corp.	55110-162-062502*
Tyco Printed Circuit Group (Stafford)	55110-037-121701*	Dynamic and Proto Circuit	31032-092-99
Young Electronics	55110-176-102901*	Eastern Manufacturing Corp.	55110-029-111601*
GF (Type 2)		Eldec Corp.	55110-144-070101
Beaver Brook Circuits, Inc.	55110-044-021003	Electro Mechanical Design Services, Inc.	55110-047-031404
Circuit Services, Inc.	55110-271-100401	Electro Plate Circuitry, Inc.	55110-061-020902*
Circuit Technology, Inc.	55110-168-102102	Electronic Controls Design, Inc.	55110-039-012202*
Circuitek	55110-025-120902	Eltek, Ltd	55110-IL001-101401
ElectroPath, Inc.	55110-287-070202	Future Technology	55110-043-030103*
Elreha Printed Circuits Corp.	55110-213-032903	GEC Marconi	55110-0056-091601
EPEC, Inc.	55110-182-122101	Graphic Plc	55110-U065-060802
Futura Circuits	55110-163-101303	Graphic Research, LLC.	55110-242-010502*
Lazer-Tech, Ltd.	55110-98122-050101	Graphico Electronics Group	55110-99027-030102*
Micom West, Inc.	55110-110-050601	GTC Circuits Corp.	55110-133-091303*
Tri-Star Engineered Products, Inc.	55110-116-061602	Hans Brockstedt GmbH and Co.	55110-ZL-5/99-062502
Universal Circuits, Inc. (2)	55110-256-120801	Holaday Circuits, Inc.	55110-006-031604*
Xcel Corp	55110-101-050502	Hollandse Signaalappasaten BV	55110-030-101903*
GF (Type 3)		Honeywell Advanced Circuits, Inc.	55110-085-110901*
A & C Electronics	55110-050-042602*	Hunter Technology	55110-037-041003*
Accurate Engineering Corporation	55110-156-090801*	IMI, Inc.	55110-022-011904*
Action Computer Products, Inc.	55110-105-071902*	Innovative Circuits, Inc.	55110-044-012702*
		Irlandus Circuits, Ltd.	55110-U073-120602

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ITL Circuits, Ltd.	55110-99025-011102*	Trans/Circuits, Inc.	55110-065-010802*
Kam Circuits, Ltd.	55110-U066-092302	Transline Technology, Inc.	55110-080-080903*
KCA Electronics, Inc.	55110-202-102802*	Tyco Printed Circuit Group (Austin)	31032-137-97
L3 Communicaions	55110-148-091801*	Tyco Printed Circuit Group (Manchester)	55110-113-070802*
Lazer-Tech, Ltd.	55110-98022-121201*	Tyco Printed Circuit Group (Melbourne)	55110-219-102701*
Lockheed Martin Federal Systems	31032-108-00	Tyco Printed Circuit Group (Santa Clara)	55110-124-090102*
Marlo Electronics, Inc.	55110-131-101203*	Tyco Printed Circuit Group (Stafford)	55110-013-010904*
Metaplast Circuits, Ltd.	55110-98285-112501*	United Printed Circuits, Inc.	55110-047-011102*
Micom Corporation	55110-248-100101*	Universal Circuits, Inc. (1)	55110-164-081301*
Micro Via Inc.	55110-169-072802	Valley Circuits, Inc.	55110-158-103001*
Midw est Printed Circuits Services	55110-069-072703*	Vermont Circuits, Inc.	55110-130-042702*
Mitsubishi Electric Corp.	55110-201-010403	Viasystems Tamw orth, Ltd.	55110-U057-062301*
Mommers Print Services, B.V.	55110-221-110901*	Viasystems Tyneside, Ltd.	55110-U081-100503
Mosaic Printed Circuits, LLC	55110-057-011602*	W-Tek, Inc.	55110-248-030103
Multi-Plate Circuits, Inc.	55110-079-060302*	Westak of Oregon	55110-100-040902*
Multilayer Technology	55110-240-121101*	WR-ALC/LYP	55110-255-102902*
North Texas Circuit Board	55110-263-101501*	Young Electronics	55110-175-102801*
Northrop Gruman	55110-197-100802*		
O.K. Print Corp.	55110-186-090901	GI (Type 2)	
P.C. World	55110-01015-010204*	Lazer-Tech, Ltd.	55110-98503-061201
PCB, Ltd.	55110-IL006-012503*	GI (Type 3)	
Petasys Co., Ltd.	55110-034-050204	A & C Electronics	55110-085-051101*
Philw ay Products, Inc.	31032-091-99	Accurate Engineering Corporation	55110-221-112302*
Pho-Tronics, Inc.	55110-179-091602*	Action Computer Products	55110-106-082602*
Pioneer Circuits, Inc	55110-133-080601*	Ambitech, Inc	55110-237-111301*
Precision Diversified Industries	55110-053-021002*	Aselsan Military Electronics Industries, Inc.	55110-123-082501
Precision Prototypes, Inc.	55110-257-112101*	AVI & Peschard	55110-020-051202
Printca A/S	55110-111-030302	Circuit Center, Inc.	55110-041-060503*
Printed Circuits, Inc.	55110-128-102301*	Circuit Concepts, Inc.	55110-266-012202*
Pronto Circuit Technologies	55110-116-062903	Circuit Express, Inc.	55110-244-100301*
Proto Circuit, Inc.	31032-050-00	Cirtech, Inc.	55110-002-051302*
Prototron Circuits Southw est, Inc.	55110-093-061303	Collins Printed Circuits	55110-006-111502*
RexCan Circuits, Inc.	55110-00079-083003	Colonial Circuits, Inc.	55110-202-122801*
Rigiflex Technology	55110-189-100802*	Coretec, Inc.	55110-00002-040603*
RJR Circuits, Inc.	55110-139-080403*	Cosmotronic Corp.	55110-121-082001*
Sanmar Micropack, Ltd.	55110-019-022503*	Delru/Rigid Flex, Inc.	55110-209-010402*
Sanmina	55110-135-060902*	Delta Circuit Technology, Inc.	55110-083-061401*
SAS Circuits, Inc.	55110-207-091701*	Dyanamic Details, Inc. (Milpitas)	55110-258-111702*
Sierra Circuits, Inc.	55110-101-083003	Dyanamic Details, Inc. (Sterling)	55110-241-112202*
Sovereign Circuits, Inc.	55110-054-050103*	Dyconex AG	55110-145-041203*
Speedy Circuits, Inc.	55110-217-112402*	Dynaco Acquisition Corp.	55110-163-062502*
Syncom Engineering	55110-145-022202*	Dynamic & Proto Circuits, Inc.	31032-211-98*
Teradyne Inc.	31032-167-97	Eastern Manufacturing Corp.	55110-011-010303*
The Bureau Electronics Group	55110-233-020203	Electro Plate Circuitry, Inc.	55110-084-050204*
Thomas Walter, Ltd	55110-U075-082702*	Eltek, Ltd	55110-IL004-041803
		Futura Circuits	55110-126-110703*

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Future Technology	55110-042-030103*	Thomas Walter, Ltd	55110-U072-032003*
GEC-Marconi, Ltd.	55110-U063-101501*	Tyco Printed Circuit Group (Austin)	31032-137-97
Graphic Reasearch, LLC.	55110-243-010502*	Tyco Printed Circuit Group (Manchester)	55110-155-101501*
Graphic, Plc.	55110-U068-022202	Tyco Printed Circuit Group (Melbourne)	55110-043-020902*
Graphio Electronics, Ltd.	55110-99167-072902*	Tyco Printed Circuit Group (Santa Clara)	55110-123-102902*
GTC Circuits Corp.	55110-166-110903*	Tyco Printed Circuit Group (Stafford)	55110-068-042704*
Holaday Circuits, Inc.	55110-007-031604*	Universal Circuits, Inc. (1)	55110-165-081201*
Hollandse Signaalappasaten BV	55110-031-031702*	Valley Circuits, Inc.	55110-159-081201*
Honeywell Advanced Circuits, Inc.	55110-249-020502*	Viasystems Tamworth, Ltd.	55110-U077-011403*
Hunter Technology Corp.	55110-038-071302*	Westak of Oregon	55110-106-072503*
IML, Inc.	55110-052-041604*	Young Electronics	55110-032-010603*
ITL Circuits	55110-00052-071103*	GM (Type 3)	
Johns Hopkins University	55110-114-052401	Advanced Flex, Inc.	55110-034-031902*
Kam Circuits, Ltd.	55110-U061-092302	Collins Printed Circuits	55110-075-032602*
KCA Electronics, Inc.	55110-203-020403*	Graphico Electronics Corp	55110-99026-030902*
L3 Communicaions	55110-225-111702*	North Texas Circuit Board	55110-161-062601*
Lazer-Tech, Ltd.	55110-98503-061201	Philway Products, Inc.	31032-091-99
Metaplast Circuits, Ltd.	55110-98286-111301*	Pho-Tronics, Inc.	55110-181-102202*
Micom Corporation	55110-267-012202*	RJR Circuits, Inc.	55110-161-042304*
Mosaic Printed Circuits LLC	55110-058-011602*	SAS Circuits, Inc.	55110-051-042302*
Multi-Plate Circuits, Inc.	55110-078-042702*	Tyco Printed Circuit Group (Manchester)	55110-112-052102*
North Texas Circuit Board	55110-264-102301*	Tyco Printed Circuit Group (Melbourne)	55110-220-102902*
Northrup Grumman	55110-198-100102*	Tyco Printed Circuit Group (Stafford)	55110-070-042704*
PCB, Ltd.	55110-IL003-012502*	Universal Circuits, Inc. (1)	55110-132-072401*
Philway Products, Inc.	31032-091-99	GR (Type 2)	
Pho-Tronics, Inc.	55110-180-102202*	Cirtech, Inc.	55110-001-011802
Pioneer Circuits, Inc	55110-235-012902*	Graphic Research LLC	55110-022-061303
Precision Diversified Industries	55110-263-122802*	Micro-Chem, Inc.	55110-152-060202
Precision Prototypes, Inc.	55110-129-090702	North Texas Circuit Board	55110-070-062601
Printca A/S	55110-035-120102	P.C. Dynamics Corp.	55110-226-112401
Printech Circuit Laboratories, Ltd.	55110-U076-091303	Speedy Circuits, Inc.	55110-042-070102
Printed Circuits, Inc.	55110-019-090602*	Tyco Printed Circuit Group (San Diego)	55110-249-122302
Pronto Circuit Technologies	55110-167-082501	GX (Type 2)	
Proto Circuit, Inc.	55110-140-061201*	Graphico Electronics Group	55110-98501-061201
Prototron Circuits Southwest, Inc.	55110-108-090201	Tyco Printed Circuit Group (San Diego)	55110-250-122302
Rigiflex Technology, Inc.	55110-188-090602*	GY (Type 2)	
RJR Circuits, Inc.	55110-140-080403*	Collins Printed Circuits	55110-100-060501
Sanmina	55110-120-080103*	Colonial Circuits, Inc.	55110-060-050903
SAS Circuits, Inc.	55110-259-012003*	Compunetics, Inc.	55110-097-062401
Sierra Circuits, Inc.	55110-102-083003	Graphic Research LLC	55110-021-061303
Sovereign Circuits, Inc.	55110-055-050103*	North Texas Circuit Board	55110-071-062601
Speedy Circuits, Inc.	55110-086-061501*	P. C. Dynamics Corp.	55110-024-010702
Sun Circuits, Inc.	55110-127-042902*	PCB, Ltd.	55110-IL002-102201
Syncom Engineering	55110-171-060402*	Speedy Circuits, Inc.	55110-098-070102
Teradyne Inc.	31032-167-97		

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RO 4003 (Type 3)

PCB, Ltd.	55110-IL006-083003*
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SC (Type 3)

GEC-Marconi, Ltd.	55110-U064-101501*
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Tyco Printed Circuit Group (Stafford)	55110-233-092901
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Viasystems Tamworth, Ltd.	5510-U062-121601
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Manufacturer and Supplier Location Information

Manufacturer: A & C Electronics (CAGE Code: 65812)

Location: 18153 Napa Street, Northridge, CA 91325, US

Plant Location: Same Address as Manufacturer

Manufacturer: Accurate Engineering Corporation (CAGE Code: 1W538)

Location: 8710 TelFair Avenue, Sun Valley, CA 91352, US

Plant Location: Same Address as Manufacturer

Manufacturer: Action Computer Products, Inc. (CAGE Code: 55265)

Location: 16300 Lindbergh Street, Van Nuys, CA 91406-1708, US

Plant Location: Same Address as Manufacturer

Manufacturer: Advanced Flex, Inc. (CAGE Code: 61185)

Location: 15115 Industrial Road, Minnetonka, MN 55345-2191, US

Plant Location: Same Address as Manufacturer

Manufacturer: Ambitech, Inc (CAGE Code: 51484)

Location: 8944 Fullbright Avenue, Chatsworth, CA 91311, US

Plant Location: Same Address as Manufacturer

Manufacturer: Aselsan Military Electronics Industries, Inc. (CAGE Code: T0258)

Location: P.O. Box 101, 06172 Yenimahalle, Ankara, Turkey

Plant Location: Same Address as Manufacturer

Manufacturer: AVI & Peschard (CAGE Code: FA4E4)

Location: Z.A.C. De La Goulgatiere - B.P. 41, 3522 Chateaubourg Cedex, France

Plant Location: Same Address as Manufacturer

Manufacturer: Beaver Brook Circuits, Inc. (CAGE Code: 0B3M0)

Location: P. O. Box 288, Bethel, CT 06801, US

Plant Location: 10 Grassy Plain Street, Bethel, CT, 06801, US

Manufacturer: Carlo Gavazzi, Inc. (CAGE Code: 51398)

Location: 10 Mupac Drive, Brockton, MA 02401-9998, US

Plant Location: Same Address as Manufacturer

Manufacturer: Cidav Printed Circuits, Ltd. (CAGE Code: SF069)

Location: P.O. Box 10022, 6 Baalely Hamelaha Street, Haifa 26110, Israel

Plant Location: Same Address as Manufacturer

Manufacturer: CIMULEC (CAGE Code: 0YWUL)

Location: Z.I. Les Jonquires, 57365 Ennery, France

Plant Location: Same Address as Manufacturer

Manufacturer: Circast Electronics, Ltd. (CAGE Code: U4375)

Location: Ramsey Road, Sydenham Industrial Estate, Leamington S.p.A. CV31 1PG, UK

Plant Location: Same Address as Manufacturer

Manufacturer: Circuit Center, Inc. (CAGE Code: 8T428)

Location: 4738 Gateway Circle, Dayton, OH 45440-9998, US

Plant Location: Same Address as Manufacturer

Manufacturer and Supplier Location Information

Manufacturer: Circuit Concepts, Inc. (CAGE Code: 73025)

Location: 14201 58th Street North, Clearwater, FL 34620, US

Plant Location: Same Address as Manufacturer

Manufacturer: Circuit Express, Inc. (CAGE Code: 0SX42)

Location: 229 S. Clark Drive, Tempe, AZ 85281-3073, US

Plant Location: Same Address as Manufacturer

Manufacturer: Circuit Services, Inc. (CAGE Code: 0KG54)

Location: #27 24th Street, Kenner, LA 70062-9998, US

Plant Location: Same Address as Manufacturer

Manufacturer: Circuit Technology, Inc. (CAGE Code: 63575)

Location: 3443 Haddonfield Road, Pennsauken, NJ 08109-3881, US

Plant Location: Same Address as Manufacturer

Manufacturer: Circuitek (CAGE Code: 09004)

Location: Division of Transistor Devices, Inc., 560 Independence Street, Belvedere, NJ 07823-9998, PA 18327-0169, US

Plant Location: Same Address as Manufacturer

Manufacturer: Circuits CMR Ltee (CAGE Code: 3AJ10)

Location: 850 Selkirk, Pointe Claire, QC H9R 3S2, Canada

Plant Location: Same Address as Manufacturer

Manufacturer: Cirtech, Inc. (CAGE Code: 8K616)

Location: 250 E. Emerson Avenue, Orange, CA 92665, US

Plant Location: Same Address as Manufacturer

Manufacturer: Collins Printed Circuits (CAGE Code: 0EFD0)

Location: Division of Rockwell International, 460 Collins Road, N.E., Cedar Rapids, IA 52498-0001, US

Plant Location: Same Address as Manufacturer

Manufacturer: Colonial Circuits, Inc. (CAGE Code: 6T499)

Location: 1026 Warrentown Road, Falmouth, VA 22406-9998, US

Plant Location: Same Address as Manufacturer

Manufacturer: Comelin Circuits, Ltd. (CAGE Code: QUE12)

Location: Montgomery Way, Stratton Business Park, Biggleswade, SG18 8QB, Bedfordshire, England

Assembly Plant Location: Same Address as Manufacturer

Manufacturer: Compunetics, Inc. (CAGE Code: 30598)

Location: 700 Seco Road, Monroeville, PA 15146-5176, US

Plant Location: Same Address as Manufacturer

Manufacturer: Coretec, Inc. (CAGE Code: 3AF82)

Location: 2020 Ellesmere Road, Scarborough, Ontario M1H 2Z8, Canada

Plant Locations:

1. Same Address as Manufacturer
2. 6550 Lawrence Avenue, Scarborough, Ontario, Canada

Manufacturer: Cosmotronic Corp. (CAGE Code: 63695)

Location: 16721 Noyes Avenue, Irvine, CA 92714, US

Plant Location: Same Address as Manufacturer

Manufacturer and Supplier Location Information

Manufacturer: Delru/Rigid Flex, Inc. (CAGE Code: 0ADX5)

Location: 875 South East Street, Anaheim, CA 92805, US

Plant Location: Same Address as Manufacturer

Manufacturer: Delta Circuit Technology, Inc. (CAGE Code: 8U401)

Location: 16028 Arminta Street, Van Nuys, CA 91406-1808, US

Plant Location: Same Address as Manufacturer

Manufacturer: Diversified Systems, Inc. (CAGE Code: 5S706)

Location: 3939 West 56th Street, Indianapolis, IN 46254, US

Plant Location: Same Address as Manufacturer

Manufacturer: Dyamic & Proto Circuits, Inc. (CAGE Code: 38898)

Location: 869 Barton Street, Stoney Creek, Ontario L8E 5G6, Canada

Plant Location: Same Address as Manufacturer

Manufacturer: Dyconex AG (CAGE Code: 0S3N4)

Location: Unterwerkstrasse 3, CH-8052 Zurich, Switzerland

Plant Location: Same Address as Manufacturer

Manufacturer: Dynaco Acquisition Corp. (CAGE Code: 61642)

Location: 1000 South Priest, Tempe, AZ 85281-5238, US

Plant Location: Same Address as Manufacturer

Manufacturer: Dynamic Details, Inc. (Milpitas) (CAGE Code: 05FV5)

Location: 1831 Tarob Court, Milpitas, CA 95035-6825, US

Plant Location: Same Address as Manufacturer

Manufacturer: Dynamic Details, Inc. (Sterling) (CAGE Code: 0K703)

Location: 1200 Severn, Sterling, VA 20166-8904, US

Plant Location: Same Address as Manufacturer

Manufacturer: Eastern Manufacturing Corp. (CAGE Code: 0BX48)

Location: 2 Industrial Way, Amesbury, MA 01913-3287, US

Plant Location: Same Address as Manufacturer

Manufacturer: Eldec Corp. (CAGE Code: 08748)

Location: North Creek Campus, P.O. Box 97027, 1522 217th Place SE, Lynwood, WA 98046-9727, US

Plant Location: Same Address as Manufacturer

Manufacturer: Electro Mechanical Design Services, Inc. (CAGE Code: 6R136)

Location: 16618 Oakmont Avenue, Gaithersburg, MD 20877, US

Plant Location: Same Address as Manufacturer

Manufacturer: Electro Plate Circuitry, Inc. (CAGE Code: 79616)

Location: 1430 Century Drive, Carrollton, TX 75006, US

Plant Location: Same Address as Manufacturer

Manufacturer: Electronic Controls Design, Inc. (CAGE Code: 60000)

Location: 13626 South Freeman Road, Mulino, OR 97042, US

Plant Location: Same Address as Manufacturer

Manufacturer and Supplier Location Information

Manufacturer: Electropath, Inc. (CAGE Code: 66140)

Location: 10137 Canoga Avenue, Chatsworth, CA 91311-3006, US

Plant Location: Same Address as Manufacturer

Manufacturer: Elreha Printed Circuits Corp. (CAGE Code: 59020)

Location: 2510 Terminal Drive, S., St. Petersburg, FL 33712-1669, US

Plant Location: Same Address as Manufacturer

Manufacturer: Eltek, Ltd (CAGE Code: S4451)

Location: Sgoola Industrial Park, P.O. Box 159, 49101 Petach-Tikva, Israel

Plant Location: Same Address as Manufacturer

Manufacturer: EPEC, Inc. (CAGE Code: 08817)

Location: Industrial Park, New Bedford, MA 02745, US

Plant Location: Same Address as Manufacturer

Manufacturer: Futura Circuits (CAGE Code: 0CA49)

Location: 11950 28th Street, N., St. Petersburg, FL 33716-1816, US

Plant Location: Same Address as Manufacturer

Manufacturer: Future Technology (CAGE Code: 1MMS0)

Location: 11140 Talbert Avenue, Fountain Valley, CA 92708, US

Plant Location: Same Address as Manufacturer

Manufacturer: GEC-Marconi, Ltd. (CAGE Code: U0380)

Location: GEC-Marconi Research Centre, West Hanningfield Road, GT Baddow, Chelmsford CM2 8HM, United Kingdom

Plant Location: Same Address as Manufacturer

Manufacturer: Graphic Reasearch, LLC. (CAGE Code: 5K529)

Location: 9334 Mason Avenue, Chatsworth, CA 91311-5201, US

Plant Location: Same Address as Manufacturer

Manufacturer: Graphic, Plc. (CAGE Code: 0UH63)

Location: Marsh Road, Lords Meadow Ind. Estate, Crediton, Devon EX17 IEU, England

Plant Location: Same Address as Manufacturer

Manufacturer: Graphico Electronics Group (CAGE Code: 37442)

Location: 1100 Bellamy Road North, Scarborough, Ontario M1H 1H2, Canada

Plant Location: Same Address as Manufacturer

Manufacturer: GTC Circuits Corp. (CAGE Code: 61666)

Location: 1450 Mission Avenue, N.E., Albuquerque, NM 87107-4925, US

Assembly Plant Location: Same Address as Manufacturer

Manufacturer: Hamby Corp. (CAGE Code: 07284)

Location: 27704 Avenue Scott, Valencia, CA 91355-1218, US

Plant Location: Same Address as Manufacturer

Manufacturer: Hans Brockstedt GmbH and Co. (CAGE Code: C4831)

Location: Kieler Str. 120, 2300 Kiel-Dronshagen, Germany

Plant Location: Same Address as Manufacturer

Manufacturer and Supplier Location Information

Manufacturer: Holaday Circuits, Inc. (CAGE Code: 59554)

Location: 11126 Bren Road, W., Minnetonka, MN 55343, US

Plant Location: Same Address as Manufacturer

Manufacturer: Hollandse Signaalapparaten BV (CAGE Code: H0203)

Location: Department KEP, Zvidelike Havenway 40, 7554RR Hengelo, The Netherlands

Plant Location: Same Address as Manufacturer

Manufacturer: Honeywell Advanced Circuits, Inc. (CAGE Code: 32665)

Location: 15102 Minnetonka Industrial Road, Minnetonka, MN 55345-2112, US

Plant Location: Same Address as Manufacturer

Manufacturer: Hunter Technology (CAGE Code: 55536)

Location: 3305 Kifer Road, Santa Clara, CA 95051, US

Plant Location: Same Address as Manufacturer

Manufacturer: IMI, Inc. (CAGE Code: 78259)

Location: 140 Hilldale Avenue, Haverhill, MA 01830-3830, US

Plant Location: Same Address as Manufacturer

Manufacturer: Innovative Circuits, Inc. (CAGE Code: 1C2Q6)

Location: 1095 Windward Ridge Parkway, Alpharetta, GA 30005-2231, US

Plant Location: Same Address as Manufacturer

Manufacturer: Integrated Technology, Ltd. (ITL) Circuis (CAGE Code: 38747)

Location: 90 Don Park Road, Markham, Ontario L3R 1C4, Canada

Plant Location: Same Address as Manufacturer

Manufacturer: Irlandus Circuits, Ltd. (CAGE Code: U4544)

Location: Annesborough No. 3 Industrial Estate, Craigavon, County Armagh BT67 9JJ, Northern Ireland

Plant Location: Same Address as Manufacturer

Manufacturer: Johns Hopkins University (CAGE Code: 88898)

Location: Applied Physics Laboratory, Johns Hopkins Road, Laurel, MD 20723-6099, US

Plant Location: Same Address as Manufacturer

Manufacturer: Kam Circuits, Ltd. (CAGE Code: U2052)

Location: Station Road, Calne, Wiltshire SN11 0JT, United Kingdom

Plant Location: Same Address as Manufacturer

Manufacturer: KCA Electronics, Inc. (CAGE Code: 65708)

Location: 1960 W. Corporate Way, Anaheim, CA 92801, US

Plant Location: 711 Fee Ana Street, Placentia, CA, 92670-2108, US

Manufacturer: L3 Communicaions (CAGE Code: 62939)

Location: 960 River Road, Croydon, PA 19020-7597, US

Plant Location: Same Address as Manufacturer

Manufacturer: Lazer-Tech, Ltd. (CAGE Code: 37848)

Location: 33 Melford Drive, Unit No. 1, Scarborough, Ontario M1B 2G6, Canada

Plant Location: Same Address as Manufacturer

Manufacturer and Supplier Location Information

Manufacturer: Lockheed Martin Federal Systems (CAGE Code: 03640)

Location: 1801 State Route 17-C, Owego, NY 13827-3998, US

Plant Location: Same Address as Manufacturer

Manufacturer: Marlo Electronics, Inc. (CAGE Code: 0BW72)

Location: 4007 E. 6th Avenue, Ft. Lauderdale, FL 33334-9998, US

Plant Location: Same Address as Manufacturer

Manufacturer: Metaplast Circuits, Ltd. (CAGE Code: 3AD63)

Location: 180 Hymus Road, Scarborough, Ontario M1L 2E1, Canada

Plant Location: Same Address as Manufacturer

Manufacturer: Micom Corporation (CAGE Code: 34076)

Location: 475 NW Eighth Avenue, New Brighton, MN 55112, US

Plant Location: Same Address as Manufacturer

Manufacturer: Micom West (CAGE Code: 0KN48)

Location: 1609 West 17th Street, Tempe, AZ 85281-6227, US

Plant Location: Same Address as Manufacturer

Manufacturer: Micro Via Inc. (CAGE Code: 4U649)

Location: 1150 Belle Ave., Winter Springs, FL 32708, US

Plant Location: Same Address as Manufacturer

Manufacturer: Micro-Chem, Inc. (CAGE Code: 0BBU9)

Location: 2986 Oakmead Village Court, Santa Clara, CA 95051-9998, US

Plant Location: Same Address as Manufacturer

Manufacturer: Midwest Printed Circuits Services (CAGE Code: 0YYS4)

Location: 1741 Circuit Drive, Round Lake Beach, IL 60073-9998, US

Plant Location: Same Address as Manufacturer

Manufacturer: Mitsubishi Electric Corp. (CAGE Code: S5713)

Location: Sagami Works Printed Circuit Board, Manufacturing Department West, 8-1-1 Tsukaguchi, Honmachi, Hyogo 661, Japan

Plant Location: Same Address as Manufacturer

Manufacturer: Mommers Print Services, B.V. (CAGE Code: 41849)

Location: Peutenweg 2, 6101 VZ Echt, Netherlands

Plant Location: Same Address as Manufacturer

Manufacturer: Mosaic Printed Circuits LLC (CAGE Code: 9S429)

Location: 5815 South 25th Street, Phoenix, AZ 85040-9998, US

Plant Location: Same Address as Manufacturer

Manufacturer: Multi-Plate Circuits, Inc. (CAGE Code: 65340)

Location: 2362 Lu Field Road, Dallas, TX 75229-2022, US

Plant Location: Same Address as Manufacturer

Manufacturer: Multilayer Technology (CAGE Code: 0JKV9)

Location: 3835 West Conflans Dr., Irving, TX 75061-9998, US

Plant Location: Same Address as Manufacturer

Manufacturer and Supplier Location Information

Manufacturer: North Texas Circuit Board (CAGE Code: 5S424)

Location: 1501 W. Shady Grove Road, Grand Prairie, TX 75050, US

Plant Location: Same Address as Manufacturer

Manufacturer: Northrop Gruman Corp. (CAGE Code: 26916)

Location: 600 Hicks Road, Rolling Meadows, IL 60008-1098, US

Plant Location: Same Address as Manufacturer

Manufacturer: OK Print Corp. (CAGE Code: 0G2V7)

Location: 3-21-18 Higashi-Koigakubo, Kokubunji-Ski Tokyo 185, Japan

Plant Location: Same Address as Manufacturer

Manufacturer: P.C. Dynamics Corp. (CAGE Code: 67364)

Location: 10501 FM 720 East, Frisco, TX 75035, US

Plant Location: Same Address as Manufacturer

Manufacturer: P.C. World (CAGE Code: 38642)

Location: 250 Finchdene Square, Scarborough, Ontario M1X 1A5, Canada

Plant Location: Same Address as Manufacturer

Manufacturer: PCB, Ltd. (CAGE Code: S5725)

Location: P.O. Box 631, Industrial Zone, Migdal, Haemek 10556, Israel

Plant Location: Same Address as Manufacturer

Manufacturer: Petasys Co., Ltd. (CAGE Code: SG263)

Location: 29-54 Bonli-Li Nong Kong-up, Dalsung-Kun, 711-855, Taegu, Korea

Plant Location: Same Address as Manufacturer

Manufacturer: Philway Products, Inc. (CAGE Code: 21971)

Location: 701 Virginia Avenue, Ashland, OH 44805, US

Plant Location: Same Address as Manufacturer

Manufacturer: Pho-Tronics, Inc. (CAGE Code: 79243)

Location: 8701 West Bradley Road, Milwaukee, WI 53224-2817, US

Plant Location: Same Address as Manufacturer

Manufacturer: Pioneer Circuits, Inc (CAGE Code: 65723)

Location: 3010 South Shannon Street, Santa Ana, CA 92704, US

Plant Location: Same Address as Manufacturer

Manufacturer: Precision Diversified Industries (CAGE Code: 65722)

Location: 14755 27th Avenue, N., Plymouth, MN 55447-4809, US

Plant Location: Same Address as Manufacturer

Manufacturer: Precision Prototypes, Inc. (CAGE Code: 3T319)

Location: 255 Midland Avenue, Garfield, NJ 07026-1710, US

Plant Location: Same Address as Manufacturer

Manufacturer: Printca A/S (CAGE Code: R2180)

Location: Strendborgvej 3, DK-9220 AalBorg, Denmark

Plant Location: Same Address as Manufacturer

Manufacturer and Supplier Location Information

Manufacturer: Printech Circuit Laboratories, Ltd. (CAGE Code: U9426)

Location: 31-35 Haltwhistle Road, South Woodham Ferrers, Chelmsford, Essex FM5 5ZA, UK

Plant Location: Same Address as Manufacturer

Manufacturer: Printed Circuits, Inc. (CAGE Code: 65114)

Location: 1200 West 96th Street, Minneapolis, MN 55341-2606, US

Plant Location: Same Address as Manufacturer

Manufacturer: Pronto Circuit Technologies (CAGE Code: 66321)

Location: 1140 N.W. 55th Street, Fort Lauderdale, FL 33309-2822, US

Plant Location: Same Address as Manufacturer

Manufacturer: Proto Circuit, Inc. (CAGE Code: 7Z463)

Location: 7 Ascot Parkway, Cuyahoga Falls, OH 44223, US

Plant Location: Same Address as Manufacturer

Manufacturer: Prototron Circuits Southwest, Inc. (CAGE Code: 66109)

Location: 3760 East 43rd Place, Tucson, AZ 85713-9998, US

Plant Location: Same Address as Manufacturer

Manufacturer: RexCan Circuits, Inc. (CAGE Code: 3AB67)

Location: P.O. Box 949, 161 Bridge Street West, Belleville, K8N 5B6, Ontario, Canada

Assembly Plant Location: Same Address as Manufacturer

Manufacturer: Rigiflex Technology, Inc. (CAGE Code: 0XBX9)

Location: 1166 N. Grove Street, Anaheim, CA 92806, US

Plant Location: Same Address as Manufacturer

Manufacturer: RJR Circuits, Inc. (CAGE Code: 66525)

Location: 1830 South Bannock Street, Denver, CO 80223, US

Plant Location: Same Address as Manufacturer

Manufacturer: Sanmar Micropack, Ltd. (CAGE Code: 0RJ33)

Location: Plot No. 16 Jigani Industrial Area, Anekal Taluk, Bangalore District 562 106, India

Plant Location: Same Address as Manufacturer

Manufacturer: Sanmina (CAGE Code: 65316)

Location: P.O. Box 8240, Ward Hill, MA 01835-8240, US

Plant Location: Same Address as Manufacturer

Manufacturer: SAS Circuits, Inc. (CAGE Code: 75815)

Location: 10570 Bradford Road, Littleton, CO 80127-4211, US

Plant Location: Same Address as Manufacturer

Manufacturer: Sierra Circuits, Inc. (CAGE Code: 0Z4SH)

Location: 1108 W. Evelyn Avenue, Sunnyvale, CA 94086, US

Assembly Plant Location: Same Address as Manufacturer

Manufacturer: Sovereign Circuits, Inc. (CAGE Code: 0GN71)

Location: P.O. Box 216, 12080 DeBartolo Drive, N. Jackson, OH 44451, US

Plant Location: Same Address as Manufacturer

Manufacturer and Supplier Location Information

Manufacturer: Speedy Circuits, Inc. (CAGE Code: 66982)

Location: 5332 Commercial Drive, Huntington Beach, CA 92649-1252, US

Plant Location: Same Address as Manufacturer

Manufacturer: Sun Circuits, Inc. (CAGE Code: 41798)

Location: 5191 LaFayette Street, Santa Clara, CA 95054-9998, US

Plant Location: Same Address as Manufacturer

Manufacturer: Syncom Engineering (CAGE Code: 59969)

Location: 15749 Stagg Street, Van Nuys, CA 91406, US

Plant Location: Same Address as Manufacturer

Manufacturer: Teradyne Inc. (CAGE Code: 3T000)

Location: Connection Systems Division, 91 Northeastern Blvd., Nashua, NH 03062, US

Plant Location: Same Address as Manufacturer

Manufacturer: The Bureau Electronics Group (CAGE Code: 06050)

Location: 3311 Broadway Street, N.E., Minneapolis, MN 55413-1791, US

Plant Location: Same Address as Manufacturer

Manufacturer: Thomas Walter, Ltd (CAGE Code: 0ZY41)

Location: 1 First Avenue, Glove Business Park, Marlow, Buckinghamshire S17 1YA, England

Plant Location: Same Address as Manufacturer

Manufacturer: Trans/Circuits, Inc. (CAGE Code: 0BPH7)

Location: 661 40th Street South, St. Petersburg, FL 33784, US

Plant Location: Same Address as Manufacturer

Manufacturer: Transline Technology, Inc. (CAGE Code: 52794)

Location: 1106 S. Technology Circle, Anaheim, CA 92805, US

Assembly Plant Location: Same Address as Manufacturer

Manufacturer: Tri-Star Engineered Products, Inc. (CAGE Code: 5Y828)

Location: 351 Thor Place, Brea, CA 92621, US

Plant Location: Same Address as Manufacturer

Manufacturer: Tyco Printed Circuit Group (CAGE Code: 55655)

Location: San Diego Division, 45037 Ruffmer Street, San Diego, CA 92111-1107, US

Plant Location: Same Address as Manufacturer

Manufacturer: Tyco Printed Circuit Group (CAGE Code: 5L706)

Location: Stafford Division, Old Monson Road, P.O.Box 145, Stafford, CT 06075, US

Plant Location: Same Address as Manufacturer

Manufacturer: Tyco Printed Circuit Group (CAGE Code: 65416)

Location: Manchester Division, 50 Harrison Street, Manchester, CT 06040, US

Plant Location: Same Address as Manufacturer

Manufacturer: Tyco Printed Circuit Group (CAGE Code: 65916)

Location: Santa Clara Division, 393 Matthew Street, Santa Clara, CA 95050, US

Plant Location: Same Address as Manufacturer

Manufacturer and Supplier Location Information

Manufacturer: Tyco Printed Circuit Group (CAGE Code: 96214)

Location: Austin Division, 12501 Research Blvd., Module I, Austin, TX 78759, US

Plant Location: Same Address as Manufacturer

Manufacturer: Tyco Printed Circuit Group (Melbourne) (CAGE Code: 64324)

Location: 200 East Drive, Melbourne, FL 32904-1027, US

Plant Location: Tyco Printed Circuit Group, Inc. (Melbourne) (600-C N. John Rhodes Blvd., Melbourne, FL 32904)

Manufacturer: United Printed Circuits, Inc. (CAGE Code: 0FWU2)

Location: 1860 Sparkman Dr., Huntsville, AL 35816, US

Plant Location: Same Address as Manufacturer

Manufacturer: Universal Circuits, Inc. (1) (CAGE Code: 45032)

Location: 8860 Zackery Lane, Maple Grove, MN 5569-4596, US

Plant Location: Same Address as Manufacturer

Manufacturer: Universal Circuits, Inc. (2) (CAGE Code: 0AE24)

Location: 202 North 9th Avenue East, Lake Mills, IA 50450-1902, US

Plant Location: Same Address as Manufacturer

Manufacturer: Valley Circuits, Inc. (CAGE Code: 8W955)

Location: 11031 Glenoaks Boulevard, Pacoima, CA 91331, US

Plant Location: Same Address as Manufacturer

Manufacturer: Vermont Circuits, Inc. (CAGE Code: 65200)

Location: P.O. Box 1890, 76 Technology Dr., Brattleboro, VT 05302, US

Plant Location: Same Address as Manufacturer

Manufacturer: Viasystems Tamworth Ltd. (CAGE Code: 0UT00)

Location: Hedgin Lane, Dosthill, Tamworth, Staffordshire B77 5HH, England

Plant Location: Same Address as Manufacturer

Manufacturer: Viasystems Tyneside, Ltd. (CAGE Code: KA902)

Location: Eldon Street, South Shields, Tyne and Wear NE33 5BU, England

Plant Location: Same Address as Manufacturer

Manufacturer: W-Tek, Inc. (CAGE Code: 67370)

Location: 230 Irby Lane, Irving, TX 75061-7046, US

Plant Location: Same Address as Manufacturer

Manufacturer: Westak of Oregon (CAGE Code: 65745)

Location: 3941 24th Avenue, Forest Grove, OR 97116-2297, US

Plant Location: Same Address as Manufacturer

Manufacturer: WR-ALC/LYP (CAGE Code: 0RCH2)

Location: Avionics Management Directorate Production Div., 380 2nd Street, Suite 104, Robins AFB, GA 31098-1638, US

Plant Location: Same Address as Manufacturer

Manufacturer: Xcel Corp. (CAGE Code: 02PR2)

Location: 4290 E. Brickell Street, Ontario, CA 91761, US

Plant Location: 720 Huntington Drive, Monrovia, CA, 91016, US

Manufacturer and Supplier Location Information

Manufacturer: Young Electronics (CAGE Code: 30803)

Location: 20750 Marilla Street, Chatsworth, CA 91311, US

Plant Location: Same Address as Manufacturer